

07-13-1998

FORM PTO-1595

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE



To the Honorable Commissioner of Patents

100761120

Attached original documents or copy thereof.

1. Name of Conveying party(ies):  
Hideyuki TAKAHASHI  
Katsuhiko HIRAMATSU

MRJ  
6-25-98

2. Name and address of receiving party(ies)

Name: MATSUSHITA ELECTRIC INDUSTRIAL CO.,

Internal Address: \_\_\_\_\_

Street Address 1006, Oaza-Kadoma, Kadoma-shi,

Osaka 571, JAPAN

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_

Additional name(s) and address(es) attached?  Yes  No

Additional name(s) of conveying party(ies) attached?  Yes  No

3. Nature of conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Execution Date: May 21, 1998

4. Application number(s) or patent number(s):

09/104180

If this document is being filed together with a new application, the execution date of the application is: May 21, 1998

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached:  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Bruce H. Bernstein

Internal Address: P16804

07/06/1998 TDADE1 00000041 09104180

03 FC:581 40.00 OP

Street Address: GREENBLUM & BERNSTEIN, P.L.C.

1941 Roland Clarke Place

City: Reston State: VA ZIP: 20191

6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41).....\$ 40.00

Enclosed

Authorized to be charged to deposit account

8. Deposit account number:

19-0089

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Bruce H. Bernstein Reg. No. 29,027  
Name of Person Signing

*BH Bernstein*  
Signature

6-25-98  
Date

Total number of pages including cover sheet, attachments and document: 3

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

PATENT

REEL: 9295 FRAME: 0419

10558 U.S. PTO  
09/104180

## ASSIGNMENT

WHEREAS, Hideyuki TAKAHASHI, a citizen of Japan, whose post office address is 1013-5, Kobiki-cho, Hachiouji-shi, Tokyo 193 Japan, and Katsuhiko HIRAMATSU, a citizen of Japan, whose post office address is 102, Sharuman Ogawa, 4-21-4, Kurihama, Yokosuka-shi, Kanagawa 239-0831 Japan hereinafter referred to as the ASSIGNORS, have invented a certain improvement relating to

### TRANSMISSION DIVERSITY APPARATUS

for which they have, on the respective dates indicated below, jointly executed an application for Letters Patent of the United States to be filed in the United States Patent and Trademark Office.

AND WHENAS, MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. organized and existing under the laws of Japan, whose post-office address is 1006, Oaza Kadoma, Kadoma-shi, Osaka 571 Japan, hereinafter known as the ASSIGNEE, is desirous of acquiring the entire right, title and interest for the United States in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, and prolongations thereof.

NOW, THIS WITNESSETH that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt whereof is hereby acknowledged, said ASSIGNORS hereby assign, sell and transfer to said ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, for the United States including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, said ASSIGNEE and its assigns and legal representatives to have, hold, exercise and enjoy the said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges, and advantages in any ways arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives in as ample and beneficial a manner to all intents and purposes as the said ASSIGNORS might or could have held and enjoyed the same, if this assignment had not been made.

AND said ASSIGNORS hereby agree to execute all papers necessary to file applications in the United States for said invention and to assign the same to said ASSIGNEE, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing Letters Patent thereon.

AND said ASSIGNORS authorize and request the Commissioner of Patents to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNORS, on the respective dates indicated below.

Hideyuki Takahashi  
Hideyuki TAKAHASHI

May. 21. 1998  
Date

Katsuhiko Hiramatsu  
Katsuhiko HIRAMATSU

May. 21. 1998  
Date